

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	712955a and function\$ and nanotube	US-PGPUB; USPAT	OR	ON	2007/08/17 14:07
L2	4	"7129554" and function\$8 and nanotube	US-PGPUB; USPAT	OR	ON	2007/08/17 14:26
L3	3	"7129554" and function\$8 and nanotube and single adj electron	US-PGPUB; USPAT	OR	ON	2007/08/17 14:38
L4	3	"7129554" and function\$8 and nanotube and single adj electron and carbon with (nanowire nanotube)	US-PGPUB; USPAT	OR	ON	2007/08/17 14:39
L5	3	"7129554" and function\$8 and single adj electron and carbon with (nanowire nanotube)	US-PGPUB; USPAT	OR	ON	2007/08/17 14:53
L6	4	"7129554" and function\$8 same (nanotube nanowire)	US-PGPUB; USPAT	OR	ON	2007/08/17 14:58
L7	3	"7129554" and function\$8 same (nanotube nanowire) same ( protein antibod\$4)	US-PGPUB; USPAT	OR	ON	2007/08/17 14:59
L8	3	"7129554" and (nanotube nanowire) same ( protein antibod\$4)	US-PGPUB; USPAT	OR	ON	2007/08/17 14:59
S1	794	semiconductor and biosensor and semiconductor	USPAT	OR	OFF	2007/07/16 15:05
S2	3100	semiconductor and biosensor and semiconductor	US-PGPUB; USPAT	OR	ON	2007/07/16 15:23
S3	1	10/530870	US-PGPUB; USPAT	OR	ON	2007/07/16 15:07
S4	1862	semiconductor and biosensor and semiconductor and (dna nanotube)	US-PGPUB; USPAT	OR	ON	2007/07/16 15:36
S5	1033	semiconductor and biosensor and semiconductor and (dna nanotube) same (biosensor sensor)	US-PGPUB; USPAT	OR	ON	2007/07/16 15:37
S6	69	semiconductor and biosensor and semiconductor and (dna nanotube) same (biosensor sensor) and gap with (wire dna nanotube)	US-PGPUB; USPAT	OR	ON	2007/07/16 16:25
S7	232	semiconductor and (dna nanotube) same (biosensor sensor) and gap with (wire dna nanotube)	US-PGPUB; USPAT	OR	ON	2007/07/16 16:55
S8	1212	pld with deposit\$	US-PGPUB; USPAT	OR	ON	2007/07/16 17:48
S9	0	1/111917	US-PGPUB; USPAT	OR	ON	2007/07/16 17:49
S10	1	11/111917	US-PGPUB; USPAT	OR	ON	2007/07/17 09:11

## EAST Search History

S11	200	pixel same chuck\$4	US-PGPUB; USPAT	OR	ON	2007/07/17 09:12
S12	136	pixel same chuck\$4 and vacuum	US-PGPUB; USPAT	OR	ON	2007/07/17 09:12
S13	52	pixel same chuck\$4 and vacuum and pick\$4	US-PGPUB; USPAT	OR	ON	2007/07/17 09:14
S14	10	pixel same chuck\$4.clm.	US-PGPUB; USPAT	OR	ON	2007/07/17 09:14
S15	6	nanotube with transistor same sensor	USPAT	OR	OFF	2007/08/10 15:48
S16	5	("4913792"   "5156972"   "5466348"   "6528020").PN. OR ("7052588"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/10 15:50
S17	5	("4913792"   "5156972"   "5466348"   "6528020").PN. OR ("7052588"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/10 16:01
S18	43	("4495793"   "5334351"   "5436167"   "5448906"   "5571395"   "5626650"   "5653951"   "5726524"   "5830326"   "5866434"   "5872422"   "5891395"   "6012327"   "6105417"   "6162926").PN. OR ("6528020").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/10 16:07
S19	36	("20010009693"   "20020014667"   "20020046872"   "20020167374"   "20020172767"   "20030157333"   "20030186167"   "20030214054"   "20040043527"   "20040132070"   "20040144972"   "20040200734"   "20050007002"   "20050224778"   "20060006377"   "20060065887"   "20060158760"   "20070012980"   "6297063"   "6333016"   "6346189"   "6350488"   "6361861"   "6515339"   "6528020"   "6555362"   "6566704"   "6566983"   "6605894"   "6689674"   "6706402"   "6706566"   "6891227"   "6919592"   "6942921"   "7120047").PN. OR ("7253434"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/10 16:19
S20	589	hybrid with electronic with device	USPAT	OR	OFF	2007/08/10 17:23
S21	1273	hybrid with electronic with device	USPAT	OR	ON	2007/08/10 17:23
S22	21	hybrid with electronic with device and nanotube	USPAT	OR	ON	2007/08/10 17:23
S23	14	hybrid with electronic with device and nanotube and sensor	USPAT	OR	ON	2007/08/10 17:23
S24	425405	sensor	USPAT	OR	OFF	2007/08/15 16:39

## EAST Search History

S25	658637	sensor	US-PGPUB; USPAT	OR	OFF	2007/08/15 16:51
S26	0	sensor and krahne	US-PGPUB; USPAT	OR	OFF	2007/08/15 16:39
S27	0	krahne	US-PGPUB; USPAT	OR	OFF	2007/08/15 16:39
S28	2	krahne	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 16:39
S29	158845	sensor same set	US-PGPUB; USPAT	OR	OFF	2007/08/15 16:51
S30	88	sensor same single adj electron	US-PGPUB; USPAT	OR	OFF	2007/08/15 16:52
S31	47	sensor same single adj electron and (dna nanotube)	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:50
S32	13	sensor same single adj electron and (dna nanotube) and @ad<="20021012"	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:50
S33	25467	sens\$4 same (dna nanotube) and @ad<="20021012"	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:53
S34	3074	sens\$4 same (dna nanotube) same ( transistor set) and @ad<="20021012"	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:53
S35	3928	sens\$4 same (dna nanotube) same ( transistor set) and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/15 17:56
S36	17	sens\$4 same (dna nanotube) same gap same ( transistor set) and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/15 18:03
S37	18	("5866434"   "6062931"   "6146227"   "6159742"   "6399303"   "6400091"   "6506564"   "6656693").PN. OR ("6958216"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/15 18:00
S38	162	sens\$4 same (dna nanotube) same gap and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/15 18:12
S39	31	sensor and nanotube and algaas and functionalized and gap	US-PGPUB; USPAT	OR	ON	2007/08/16 10:50
S40	43744	hybrid and sensor	US-PGPUB; USPAT	OR	ON	2007/08/16 10:50
S41	3102	hybrid and sensor and (gaas algaas)	US-PGPUB; USPAT	OR	ON	2007/08/16 10:50

## EAST Search History

S42	3929	hybrid and sensor and (gaas algaas gallium adj arsenide)	US-PGPUB; USPAT	OR	ON	2007/08/16 10:51
S43	2790	hybrid and sensor and (gaas algaas gallium adj arsenide) and functional\$	US-PGPUB; USPAT	OR	ON	2007/08/16 10:51
S44	1290	hybrid and sensor and (gaas algaas gallium adj arsenide) and functional\$ same (dna nanotube swnt )	US-PGPUB; USPAT	OR	ON	2007/08/16 10:51
S45	41	("20020117659"   "20020127495"   "20020130311"   "20020130353"   "20020163079"   "20020173083"   "20020175408"   "20030012723"   "20030042562"   "20030089899"   "20030147801"   "20030186522"   "20030189202"   "20040005258"   "20040031975"   "20040036126"   "20040036128"   "20040061422"   "20040213307"   "20040238887"   "20050064618"   "5920078"   "5962863"   "6256767"   "6274007"   "6438025"   "6447663"   "6465813"   "6566704"   "6586785"   "6672925"   "6706566"   "6741019"   "6760245"   "6790425"   "6798000"   "6815218"   "6900479"   "6903717"   "7115916"   "7129554").PN. OR ("7233041").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 11:01

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S46	168	("20010054709"   "20020013031"   "20020040805"   "20020055239"   "20020084502"   "20020112814"   "20020117659"   "20020122766"   "20020130311"   "20020130353"   "20020146714"   "20020158342"   "20020172820"   "20020175408"   "20020179434"   "20020187504"   "20030001091"   "20030003300"   "20030032892"   "20030048619"   "20030073071"   "20030089899"   "20030098488"   "20030113940"   "20030121764"   "20030124509"   "20030124717"   "20030134267"   "20030134433"   "20030135971"   "20030156992"   "20030186522"   "20030186544"   "20030189202"   "20030197456"   "20030200521"   "20040005723"   "20040026684"   "20040067530"   "20040095658"   "20040106203"   "20040112964"   "20040113138"   "20040113139"   "20040118448"   "20040136866"   "20040146560"   "20040157414"   "20040213307"   "20050037374"   "20050064185"   "20050064731"   "20050066883"   "20050072213"   "20050079533"   "20050079659"   "20050100960"   "20050101026"   "20050109989"   "20050110064"   "20050161662"   "20050181587"   "20050201149"   "20050202615"   "20050212079"   "20050214967"   "20050219788"   "20050230356"   "20050253137"   "20050287717"   "20060008942"   "20060009003"   "20060019472"   "3873359"   "3873360"   "3900614"   "4673474"   "4939556"   "5023139"   "5089545"   "5252835"   "5274602"   "5453970"   "5475341"   "5512131"   "5537075"   "5539214"   "5581091"   "5589692"   "5607876"   "5620850"   "5640343"   "5726524"   "5739057"   "5747180"   "5751156"   "5776748"   "5824470"   "5830538"   "5840435".PN. OR ("5847565"   "5858862"   "5864823"   "5897945"   "5900160"   "5903010"   "5908692"   "5916642"   "5942443"   "5997832"   "6036774"   "6038060"   "6060121"   "6060724"   "6069380"   "6123819"   "6128214"   "6143184"   "6149819"   "6159742"   "6180239"   "6187165"   "6190634"   "6203864"   "6207392"   "6231744"   "6256767"   "6270074"   "6278231"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 11:23
8/17/2007 3:57:20 PM		C:\Documents and Settings\woodrow\My Documents\EAST\Workspaces\10530870.wsp	Page 5			

## EAST Search History

S47	67	algaas and gaas and sensor and nanotube	US-PGPUB; USPAT	OR	ON	2007/08/16 14:54
S48	5	algaas and gaas and sensor and nanotube and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 14:55
S49	30	hybrid and gaas and sensor and nanotube and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 15:41
S50	0	hybrid and algaas and sensor and nanotube and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 16:33
S51	1	("2006/0158760").URPN.	USPAT	OR	OFF	2007/08/16 15:29
S52	36	("20010009693"   "20020014667"   "20020046872"   "20020167374"   "20020172767"   "20030157333"   "20030186167"   "20030214054"   "20040043527"   "20040132070"   "20040144972"   "20040200734"   "20050007002"   "20050224778"   "20060006377"   "20060065887"   "20060158760"   "20070012980"   "6297063"   "6333016"   "6346189"   "6350488"   "6361861"   "6515339"   "6528020"   "6555362"   "6566704"   "6566983"   "6605894"   "6689674"   "6706402"   "6706566"   "6891227"   "6919592"   "6942921"   "7120047").PN. OR ("7253434").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 15:33
S53	1043	hybrid and gaas and sensor and dna and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 15:42
S54	7	hybrid and gaas same algaas and sensor and dna and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 15:43
S55	7	("4238757"   "5556529"   "5632957"   "5776672"   "5837832"   "5945832"   "6251685").PN. OR ("7118861").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 15:46
S56	6	("3995216"   "5457396").PN. OR ("5945832").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 15:48
S57	30	hybrid and (algaas gaas) and sensor and nanotube and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/16 16:33
S58	86	(algaas gaas) and sensor and nanotube and @ad<="20021012"	US-PGPUB; USPAT	OR	ON	2007/08/17 14:07